

WHAT IS CLAIMED IS:

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1. An organic electroluminescence device emitting white light which comprises a pair of electrodes and a layer of a light emitting medium disposed between the pair of electrodes, wherein the layer of a light emitting medium comprises a light emitting material emitting blue light and a fluorescent compound having at least one structure selected from a fluoranthene skeleton structure, a pentacene skeleton structure and a perylene skeleton structure.

2. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium comprises light emitting layer A comprising the light emitting material emitting blue light and the fluorescent compound.

3. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium comprises a light emitting layer emitting blue light and light emitting layer A which comprises the light emitting material emitting blue light and the fluorescent compound.

4. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium comprises light emitting layer B comprising the light emitting material emitting blue light and a layer comprising the fluorescent compound.

5. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium comprises a light emitting layer emitting blue light and a layer comprising the fluorescent compound.

6. An organic electroluminescence device emitting white light according to Claim 2, wherein light emitting layer A comprises the light emitting material emitting blue light and a fluorescent dopant emitting blue light.

7. An organic electroluminescence device emitting white light according to Claim 3, wherein light emitting layer A comprises the light emitting material emitting blue light and a fluorescent dopant emitting blue light.

8. An organic electroluminescence device emitting white light according to Claim 4, wherein light emitting layer B comprises the light emitting material emitting blue light and a fluorescent dopant emitting blue light.

9. An organic electroluminescence device emitting white light according to Claim 3, wherein the light emitting layer emitting blue light comprises the light emitting material emitting blue light and a fluorescent dopant emitting blue light.

10. An organic electroluminescence device emitting white light according to Claim 5, wherein the light emitting layer emitting blue light comprises the light emitting material emitting blue light and a fluorescent dopant emitting blue light.

11. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium comprises a hole transporting material or a hole injecting material.

12. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium comprises a hole transporting layer or a hole injecting layer.

13. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium comprises an electron transporting material or an electron injecting material.

14. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium comprises an electron transporting layer or an electron injecting layer.

15. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium which contacts an anode comprises an oxidizing agent.

16. An organic electroluminescence device emitting white light according to Claim 1, wherein the layer of a light emitting medium which contacts a cathode comprises a reducing agent.

17. An organic electroluminescence device emitting white light according

to Claim 1, wherein a layer of an inorganic compound is disposed between at least one of electrodes and the layer of a light emitting medium.

18. An organic electroluminescence device emitting white light according to Claim 1, wherein the light emitting material emitting blue light is a styryl derivative, an anthracene derivative or an aromatic amine.

19. An organic electroluminescence device emitting white light according to Claim 18, wherein the styryl derivative is at least one compound selected from distyryl derivatives, tristyryl derivatives, tetrastyryl derivatives and styrylamine derivatives.

20. An organic electroluminescence device emitting white light according to Claim 18, wherein the anthracene derivative is a compound having a phenylanthracene skeleton structure.

21. An organic electroluminescence device emitting white light according to Claim 18, wherein the aromatic amine is a compound having 2 to 4 nitrogen atoms which are substituted with an aromatic group.

22. An organic electroluminescence device emitting white light according to Claim 18, wherein the aromatic amine is a compound having 2 to 4 nitrogen atoms which are substituted with an aromatic group and having at least one alkenyl group.

23. An organic electroluminescence device emitting white light according

to Claim 6, wherein the fluorescent dopant emitting blue light is at least one compound selected from styrylamines, styryl compounds substituted with an amine and compounds having a condensed aromatic ring.

24. An organic electroluminescence device emitting white light according to Claim 7, wherein the fluorescent dopant emitting blue light is at least one compound selected from styrylamines, styryl compounds substituted with an amine and compounds having a condensed aromatic ring.

25. An organic electroluminescence device emitting white light according to Claim 8, wherein the fluorescent dopant emitting blue light is at least one compound selected from styrylamines, styryl compounds substituted with an amine and compounds having a condensed aromatic ring.

26. An organic electroluminescence device emitting white light according to Claim 9, wherein the fluorescent dopant emitting blue light is at least one compound selected from styrylamines, styryl compounds substituted with an amine and compounds having a condensed aromatic ring.

27. An organic electroluminescence device emitting white light according to Claim 10, wherein the fluorescent dopant emitting blue light is at least one compound selected from styrylamines, styryl compounds substituted with an amine and compounds having a condensed aromatic ring.

28. An organic electroluminescence device emitting white light according to Claim 1, wherein the fluorescent compound has an electron-donating

group.

29. An organic electroluminescence device emitting white light according to Claim 1, wherein the fluorescent compound has a peak wavelength of fluorescence at 540 to 650 nm.

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